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(21) International Application Number: PCT/BY98/00004 (22) International Filing Date: 21 April 1998 (21.04.98) (30) Priority Data: 970314 10 June 1997 (10.06.97) BY (71)(72) Applicants and Inventors: KONOVALOV Victor A. [BY/BY]; Yakubova Street, 6-4-26, Minsk, 220095 (BY). MINKO, Anatoly A. [BY/BY]; Pulikhova Street, 31-1-3, Minsk, 220088 (BY). MURAVSKY, Anatoly A. [BY/BY]; Plekhanova Street, 53-88, Minsk, 220085 (BY). YAKOVENKO, Sergey E. [BY/BY]; per. Kaliningradsky, 13-95, Minsk, 220012 (BY). (74) Agent: GORYACHKO, Mariam Sh.; P.O. Box 133, Minsk, 220012 (BY).		(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).  Published With international search report. With amended claims and statement.	

(54) Title: LIQUID CRYSTAL DISPLAY WITH WIDE VIEWING ANGLE AND METHOD FOR MAKING IT

## (57) Abstract

The present invention relates generally to the field of electronics and may be used for making displays and, in particular, liquid crystal information displays, panels, cells, etc. The object of the invention is to simplify the method for making liquid crystal devices by reducing the number of technological operations and consequently to reduce the cost of liquid crystal display without sacrificing the quality (wide viewing angle). To achieve this the electric field applied to the liquid crystal in such display has the non-uniform component parallel to the plane of the substrates (1), which leads to the non-uniform reorientation (5) of the aforementioned liquid crystal in the space between the aforementioned electrodes (2, 3) within the pixel area and hence improves optical properties of this display in various directions of observation.

